

News Release

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Speedheater System™ – the most effective and safest way to remove Lead Based Paint

Personal lead exposure tests recently accomplished, both in the USA and Europe, by independent accredited test institutes validates that the Speedheater System™ for Paint Removal both solves the lead problem better, by actually **removing lead more effectively**, and **safer** with significant lower risk of exposure to lead fumes and dust, compared to traditional methods.

How does it work?

The innovative **Speedheater System™** from Sweden attacks and solves the problem differently uses the advantages of **Infrared Technology**. Primary it is the Infrared rays that do the job while the heat is of secondarily importance, why the operating temperature can be held at extremely low levels. In normal use, the paint surface is only exposed to an operating temp. of approx. 200-400°F (100-200°C) and even lower on the wooden surface beneath. In short, what happens is that the oil within the paint reacts to the rays', which softens and loosens the paint quickly and efficiently from the surface, making it easy to scrape off, down to the bare wood.

Lead and any other toxic heavy metal stays within the paint remains which mean **less risk of exposure to lead** dust and fumes. Spreading a tarp beneath the working area makes it easy to collect the dry remains. You then have a practically **closed system** with low impact on the environment, which makes it easy to dispose the remains as hazardous waste. The Speedheater System™ is **easy to use** for both homeowners and professionals, which is maybe what really drives the impact of safety.

Solving the problem

Federal regulations define lead-based paint as any paint containing more than 1.0 milligram per square centimetre (mg/cm²). The lead tests revealed that there were significant levels of lead on the testing objects prior to removal, in the range of 1.0-10.0 mg/cm². After paint removal using the Speedheater System, the bare wood samples revealed levels of 0.0-0.2 percentage by weight, or **negligible levels of lead remaining**.

The lead tests validated that the Speedheater System™ effectively removed the lead paint well below the 0.5 % lead by weight level determined by USA Occupational Safety and Health Administration (OSHA) Standard 29 CFR 1926.62 as requiring action.

Personal safety

The results of lead-in-air levels at the work area demonstrated that levels of 0.42-5.1 respectively of µg/m³ of lead dust and fumes are **well below** the Federal OSHA Permissible Exposure Limit in USA of 50µg/m³ for 8 hours of exposure, and below the Action Limit stated by the OSHA of 30µg/m³.

The lead-in-air concentration outside the area was **barely detectable** at 0.21µg/m³.

The lead tests validated that the use of the Speedheater System™ while removing lead-based paint do not generate dangerous levels of lead dust or fumes. The tests proved levels **extremely low lead exposure** of 1-10 % of the Permissible levels even with the tests were conducted under worst conditions.

Even if the risk of exposure is low we still recommend the user to reduce the risk even more by taking all safety precautions necessary especially when it comes to **cleaning up lead dust**, besides always to follow local law and regulations.

Besides the lead safety the low operating temperature also means **less risk of fire**.

The Speedheater System™

Besides the Safety aspects, the Speedheater System™ offers other unique benefits such as being **cost-effective** and gentle on the wood. More than twenty layers of paint or varnish can be removed in 20-40 seconds. The result after paint removal is an optimal preparation. You can paint immediately, dramatically reducing the risk for warranty issues and complaint for the contractor and Paint Industry as well as making the entire job easier and faster. For the best results is The Speedheater System is silent, easy to use and is a labor-saving tool for Paint and Varnish Removal. The tool is ideal for window renovation as it softens paint and putty at the same time. The Speedheater System™ is so **gentle to the wood** and is therefore **highly recommended** by The National Heritage Boards in Sweden, Norway and Finland.

About us

Since 1991, **Speedheater System AB** provides Infrared Solutions for Paint Removal, primarily from wooden surfaces. Many years of experience have given the company unique insights into the area, insights that have been turned into new products and working methods.

For further assistance please contact

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